AMENDMENT

Please replace the claims with the following:

1. (Twice Amended) A method for compressing video data in a computer system, comprising:

   receiving a stream of data from a current video frame in the computer system;

   computing a difference frame from the current video frame and a previous video frame as the current video frame streams into the computer system, wherein computing the difference frame includes computing the difference frame in a core logic chip within the computer system, wherein the core logic chip is a semiconductor chip that couples the processor to a main memory and a system bus for the computer system; and

   storing the difference frame in a memory in the computer system.

2. (Unchanged) The method of claim 1, including storing the current video frame in the memory in the computer system.

3. (Unchanged) The method of claim 2, wherein the current video frame is written over a previous video frame in the memory.

4. (Unchanged) The method of claim 1, wherein computing the difference frame includes computing an exclusive-OR between the current video frame and the previous video frame.

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1   5. (Unchanged) The method of claim 1, wherein computing the difference

2   frame includes computing a difference between a block of data from the current

3   video frame and a block of data from the previous video frame.

1   6. (Unchanged) The method of claim 1, wherein storing the difference

2   frame in memory includes storing the difference frame in the memory using block

3   transfers.

1   7. (Unchanged) The method of claim 1, including compressing the video

2   data using the difference frame to produce compressed video data.

1   8. (Unchanged) The method of claim 1, including performing a color space

2   conversion on the video data.

1   9. (Unchanged) The method of claim 1, including using the video data in

2   compressed form in a video teleconferencing system.

1   10. (Unchanged) The method of claim 1, including storing instructions and

2   data for the computer system in the memory.

Claim 11 was previously cancelled.

1   12. (Unchanged) The method of claim 1, wherein computing the

2   difference frame includes computing the difference frame in circuitry outside of a

3   central processing unit in the computer system.

13. (Twice Amended) A method for compressing video data in a computer

system, comprising:

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3   receiving a stream of data from a current video frame in the computer

4 system;

5   computing a difference frame from the current video frame and a previous

6 video frame as the current video frame streams into the computer system, wherein

7 computing the difference frame includes computing an exclusive-OR between the

8 current video frame and the previous video frame, and wherein computing the

9 difference frame includes computing the difference frame in a core logic chip

10 within the computer system, wherein the core logic chip is a semiconductor chip

11 that couples the processor to a main memory and a system bus for the computer

12 system;

13   storing the difference frame in a memory in the computer system;

14   storing the current video frame in the memory in the computer system; and

15   compressing the video data using the difference frame to produce

16 compressed video data.

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1   14. (Unchanged) The method of claim 13, wherein the current video frame

2 is written over a previous video frame in the memory.

1   15. (Unchanged) The method of claim 13, wherein computing the

2 difference frame includes computing a difference between a block of data from

3 the current video frame and a block of data from the previous video frame.

1   16. (Unchanged) The method of claim 13, wherein storing the difference

2 frame in memory includes storing the difference frame in the memory using block

3 transfers.

1   17. (Unchanged) The method of claim 13, including using the compressed

2 data in a video teleconferencing system.

1   18. (Unchanged) The method of claim 13, including performing a color

2   space conversion on the video data.

1   19. (Unchanged) The method of claim 13, including storing instructions

2   and data for the computer system in the memory.

Claim 20 was previously cancelled.